VOLUME CONTENTS

to Volume 136, January–April, 1994

AGUILERA, ANDRÉS, Formamide sensitivity: a novel conditional phenotype in yeast 87–91

AKASHI, HIROSHI, Synonymous codon usage in *Drosophila melanogaster*: natural selection and translational accuracy 927–935

BARBAZUK, W. BRADLEY, ROBERT C. JOHNSEN and DAVID L. BAILLIE, The generation and genetic analysis of suppressors of lethal mutations in the *Caenorhabditis elegans rol-3 (V)* gene 129–143

BECRAFT, PHILIP W., and MICHAEL FREELING, Genetic analysis of *Rough sheath1* developmental mutants of maize 295–311

BEGUN, DAVID J., and CHARLES F. AQUADRO, Evolutionary inferences from DNA variation at the 6-phosphogluconate dehydorenase locus in natural populations of Drosophila: selection and geographic differentiation 155–171

BERNSTEIN, MITCHELL, and THOMAS W. CLINE, Differential effects of *Sex-lethal* mutations on dosage compensation early in Drosophila development 1051–1061

BISHOP, MICHAEL D., STEVEN M. KAPPES, JOHN W. KEELE, ROGER T. STONE, SARA L. F. SUNDEN, GREGORY A. HAWKINS, SABINA SOLINAS TOLDO, RUEDI FRIES, MICHAEL D. GROSZ, JAKYOUNG YOO and CRAIG W. BEATTIE, A genetic linkage map for cattle ... 619–639

BOMZE, HOWARD M., and A. JAVIER LÓPEZ, Evolutionary conservation of the structure and expression of alternatively spliced *Ultrabithorax* isoforms from Drosophila 965–977

BROVERMAN, SHERRYL A., and PHILIP M. MENEELY, Meiotic mutants that cause a polar decrease in recombination on the *X* chromosome in *Caenorhabditis elegans* 119–127

BUSSEAU, ISABELLE, ROBERT J. DIEDERICH, TIAN XU and SPYROS ARTAVANIS-TSAKONAS, A member of the Notch group of interacting loci, *deltex* encodes a cytoplasmic basic protein 585–596

CAI, HAINI, PAUL KIEFEL, JOYCE YEE and IAN DUNCAN, A yeast artificial chromosome clone map of the Drosophila genome 1385–1399

CANNON, JOHN F., JOHN R. PRINGLE, ARMIN FIECHTER and MIRIAM KHALIL, Characterization of glycogen-deficient *glc* mutants of *Saccharomyces cerevisiae* 485–503

CHANGJIAN, JIANG, PAN XUEBIAO and GU MINGHONG, The use of mixture models to detect effects of major genes on quantitative characters in a plant breeding experiment ... 383–394

CHENEVERT, JANET, NICOLE VALTZ, and IRA HERSKOWITZ, Identification of genes required for normal pheromone-induced cell polarization in *Saccharomyces cerevisiae* 1287–1296

CLARK, DENISE V., Molecular and genetic analyses of Drosophila *Prat*, which encodes the first enzyme of *de novo* purine biosynthesis 547–557

CLARK-MAGUIRE, SHAWNA, and PAUL E. MAINS, *mei-1* a gene required for meiotic spindle formation in *Caenorhabditis elegans*, is a member of a family of ATPases 533–546

CORMACK, JEAN, and PETER A. PETERSON, Gene marker loss induced by the transposable element, *En*, in maize 1151–1156

CORREDOR, VLADIMIR, and VINCENZO ENEA, The small ribosomal subunit RNA isoforms in *Plasmodium cynomolgi* 857–865

CSINK, AMY K., RICHARD LINSK and JAMES A. BIRCHLER, *Mosaic suppressor*, a gene in Drosophila that modifies retrotransposon expression and interacts with *zeste* 573–583

CURCIO, M. JOAN, and DAVID J. GARFINKEL, Heterogeneous functional Ty*1* elements are abundant in the *Saccharomyces cerevisiae* genome. 1245–1259

DAS, O. PREM, and JOACHIM MESSING, Variegated phenotype and developmental methylation changes of a maize allele originating from epimutation 1121–1141

DASH, SUDHANSU, and PETER A. PETERSON, Frequent loss of the *En* transposable element after excision and its relation to chromosome replication in maize (*Zea mays* L.) 653–671

DAVIS, CYNTHIA R., ROBERT R. KEMPAINEN, MICHAEL S. SRODES and C. ROBERTSON MCCLUNG, Correlation of the physical and genetic maps of the centromeric region of the right arm of linkage group III of *Neurospora crassa* 1297–1306

DE CELIS, ANTONIO GARCIA-BELLIDO, Modifications of the Notch function by *Abruptex* mutations in *Drosophila melanogaster* 183–194

DEAN, ANTONY M., Fitness and phantoms in temporally variable environments 1481–1495

DEXTER, DWAYNE, SCOTT MOYE-ROWLEY, AI-LING WU and JOHN GOLIN, Mutations in the yeast *PDR3*, *PDR4*, *PDR7* and *PDR9* pleitropic (multiple) drug resistance loci affect the transcript level of an ATP binding cassette transporter encoding gene, *PDR5* .. 505–515

DINMAN, JONATHAN D., and REED B. WICKNER, Translational maintenance of frame: mutants of *Saccharomyces cerevisiae* with altered −1 ribosomal frameshifting efficiencies 75–86

DONG, JINSHENG, and DAVID B. WAGNER, Paternally inherited chloroplast polymorphism in Pinus: estimation of diversity and population subdivisions, and tests of disequilibrium with a maternally inherited mitochondrial polymorphism 1187–1194

DOONER, HUGO K., ALEMU BELACHEW, DIANA BURGESS, SUSAN HARDING, MARY RALSTON and EDWARD RALSTON, Distribution of unlinked receptor sites for transposed *Ac* elements from the *bz-m2(Ac)* allele in maize 261–279

EKWALL, KARL and TARMO RUUSALA, Muations in *rik1*, *clr2*, *clr3* and *clr4* genes asymmetrically derepress the silent mating-type loci in fission yeast 53–64

ENOMOTO, SHINICHIRO, MARK S. LONGTINE, and JUDITH BERMAN, Enhancement of telomere-plasmid segregation by the X-telomere associated sequence in *Saccharomyces cerevisiae* involves *SIR2*, *SIR3*, *SIR4* and *ABF1* 757–767

ERICKSON, JAMES R., and MARK JOHNSTON, Suppressors reveal two classes of glucose repression genes in the yeast *Saccharomyces cerevisiae* 1271–1278

EXCOFFIER, LAURENT and PETER E. SMOUSE, Using allele frequencies and geographic subdivision to reconstruct gene trees within a species: molecular variance parsimony 343–359

FEDOROF, NINA V., BARBARA MCCLINTOCK (June 16, 1902–September 2, 1992) 1–10

FRIEDMAN, DAVID B., NANCY M. HOLLINGSWORTH and BRECK BYERS, Insertional mutations in the yeast *HOP1* gene: evidence for multimeric assembly in meiosis 449–464

FU, XUN-XIN, A phylogenetic estimator of effective population size or mutation rate ... 685–692

FU, YONG-BI, and KERMIT RITLAND, Evidence for the partial dominance of viability genes contributing to inbreeding depression in *Mimulus guttatus* 323–331

GODWIN, ALAN R., and MICHAEL LISKAY, The effects of insertions on mammalian intrachromosomal recombination 607–617

GORDON, CARL L., and JONATHAN KING, Genetic properties of temperature-sensitive folding mutants of the coat protein of phage P22 427–438

GRIMM, CHRISTIAN, JÜRG BÄHLER and JÜRG KOHLI, *M26* recombinational hotspot and physical conversion tract analysis in the *ade6* gene of *Schizosaccharomyces pombe* 41–51

HALEY, CHRIS S., SARA A. KOTT and JEAN-MICHEL ELSEN, Mapping quantitative trait loci in crosses between outbred lines using least squares 1195–1207

HARKNESS, TROY A. A., ROBERT L. METZENBERG, HELMUT SCHNEIDER, ROLAND LILL, WALTER NEUPERT and FRANK E. NARGANG, Inactivation of the *Neurospora crassa* gene encoding the mitochondrial protein import receptor MOM19 by the technique of "sheltered RIP" 107–118

HARRIS, STEVEN D., JENNIFER L. MORRELL and JOHN E. HAMER, Identification and characterization of *Aspergillus nidulans* mutants defective in cytokinesis 517–532

HARTLEY, ALAN D., MARY P. WARD and STEPHEN GARRETT, The Yak1 protein kinase of *Saccharomyces cerevisiae* moderates thermotolerance and inhibits growth by an Sch9 parotein kinase-independent mechanism 465–474

HAYASHI, T., and Y. UKAI, Change in genetic variance under selection in a self-fertilizing population 693–704

HIEBERT, JOHN C., and JAMES A BIRCHLER, Effects of the *maleless* mutation on *X* and autosomal gene expression in *Drosophila melanogaster* 913–926

HOFFMAN, ARY A., DAVID J. CLANCY and EVE MERTON, Cytoplasmic incompatibility in Australian populations of *Drosophila melanogaster* 993–999

HOLLOCHER, HOPE, and ALAN R. TEMPLETON, The molecular through ecological genetics of *abnormal abdomen* in *Drosophila mercatorum*. VI. The non-neutrality of the *Y* chromosome rDNA polymorphism 1373–1384

HUDAK, KIMBERLY A., JOHN M. LOPES and SUSAN A. HENRY, A pleiotropic phospholipid biosynthetic regularoy mutation in *Saccharomyces cerevisiae* is allelic to *sin3* (*sdi1*, *ume4*, *rpd1*) 475–483

HUDSON, RICHARD R., KEVIN BAILEY, DOUGLAS SKARECKY, JAN KWIATOWSKI and FRANCISCO J. AYALA, Evidence for positive selection in the superoxide dismutase (*Sod*) region of *Drosophila melanogaster* 1329–1340

HUGALL, ANDREW, CRAIG MORITZ, JulieStanton and DAVID R. WOLSTENHOLME, Low, but strongly structured mitochondrial DNA diversity in root knot nematodes (Meloidogyne) 903–912

JANSEN, RITSERT C., and PIET STAM, High resolution of quantitative traits into multiple loci via interval mapping 1447–1455

JONES, M. E., S. M. THOMAS and A. ROGERS, LURIA-DELBRÜCK fluctuation experiments: design and analysis 1209–1216

KASSIS, JUDITH A., Unusual properties of regulatory DNA from the Drosophila *engrailed* gene: three "pairing-sensitive" sites within a 1.6-kb region 1025–1038

KATSURA, ISAO, KAZUNORI KONDO, TOSIKAZU AMANO, TAKESHI ISHIHARA and MINORU KAWAKAMI, Isolation, characterization and epistasis of fluoride-resistant mutants of *Caenorhabditis elegans* 145–154

KEENEY, JILL B., and JEF D. BOEKE, Efficient targeted integration at *leu1-32* and *ura4-294* in *Schizosaccharomyces pombe* 849–856

KESSELI, RICK V., ILAN PARAN and RICHARD W. MICHELMORE, Analysis of a detailed genetic linkage map of *Lactuca sativa* (lettuce) constructed from RFLP and RAPD markers 1435–1446

KIM, CHUNG SOOK, JOHN R. PREER, JR., BARRY POLISKY, Identification of DNA segments capable of rescuing a non-Mendelian mutant in Paramecium 1325–1328

KONDRASHOV ALEXEY S., MULLER's ratchet under epistatic selection 1469–1473

KOZLOVA, T. YU., V. F. SEMESHIN, I. V TRETYAKOVA, E. B. KOKOZA, V. PIRROTTA, V. E. GRAFODATSKAYA, E. S. BELYAEVA and I. F. ZHIMULEV, Molecular and cytogenetical characterization of the 10A1-2 band and adjoining region in the *Drosophila melanogaster* polytene *X* chromosome 1063–1073

KRUG, PATRICK J., ADAM Z. GILESKI, ROBERT J. CODE, ANNE TORJUSSEN and MOLLY B. SCHMID, Endpoint bias in large Tn*10*-catalyzed inversions in *Salmonella typhimurium* 747–756

KURKULOS, MARYELLEN, JEFFREY M. WEINBERG, DEBJANI ROY and STEPHEN M. MOUNT, *P* element-mediated *in vivo* deletion analysis of *white-apricot*: deletions between direct repeats are strongly favored 1001–1011

LANDER, ERIC S., and DAVID BOTSTEIN, Mapping Mendelian factors underlying quantitative traits using RFLP linkage maps (corrige. dum) 705

LEDERBERG, JOSHUA, The transformation of genetics by DNA: an anniversary celebration of AVERY, MACLEOD and MCCARTY (1944) 423–426

LEVINE, JESSIE G., ROEL M. SCHAAPER and DAVID M. DEMARINI, Complex frameshift mutations mediated by plasmid pKM101: mutational mechanisms deduced from 4-aminobiphenyl-induced mutation spectra in Salmonella 731–746

LILLY, MARY, ROBERT KREBER, BARRY GANETZKY and JOHN R. CARLSON, Evidence that the Drosophila olfactory mutant *smellblind* defines a novel class of sodium channel mutation 1087–1096

LIN, YUKANG, and GERALD R. SMITH, Transient, meiosis-induced expression of the *rec6* and *rec12* genes of *Schizosaccharomyces pombe* 769–779

LOUIS, EDWARD J., ELENA S. NAUMOVA, ALICE LEE, GENNADI NAUMOV, and JAMES E. HABER, The chromosome end in yeast: its mosaic nature and influence on recombinational dynamics 789–802

LUCCHESI, JOHN C., STURTEVANT's mantle and the (lost?) art of chromosome mechanics . 707–708

MACKAY, TRUDY F. C., JAMES D. FRY, RICHARD F. LYMAN and SERGEY V. NUZHDIN, Polygenic mutation in *Drosophila melanogaster*: estimates from response to selection of inbred strains 937–951

MADDOCK, JANINE R., ELAINE M. WEIDENHAMMER, CYNTHIA C. ADAMS, RAYNA L. LUNZ and JOHN L. WOOLFORD, JR., Extragenic suppressors of *Saccharomyces cerevisiae prp4* mutations identify a negative regulator of *PRP* genes 833–847

MALONE, ELIZABETH A., and JAMES H. THOMAS, A screen for nonconditional dauer-constitutive mutations in *Caenorhabditis elegans* 879–886

MAJORAM, PAUL, and PETER DONNELLY, Pairwise comparisons of metochondrial DNA sequences in subdivided populations and implications for early human evolution ... 673–683

MARTIENSSEN, ROBERT, and AIMEE BARON, Coordinate suppression of mutations caused by Robertson's *Mutator* transposons in maize 1157–1170

MATIC, IVAN, MIROSLAV RADMAN and CHRISTIANE RAYSSIGUIER, Structure of recombinants from conjugational crosses between *Escherichia coli* donor and mismatch-repair deficient *Salmonella typhimurium* 17–26

MCCARRON, MARGARET, ATANU DUTTAROY, GLENN DOUGHTY and ARTHUR CHOVNICK, Drosophila *P* element transposase induces male recombination additively and without a requirement for *P* element excision or insertion 1013–1023

MCCUSKER, JOHN H., KARL V. CLEMONS, DAVID A. STEVENS and RONALD W. DAVIS, Genetic characterization of pathogenic *Saccharomyces cerevisiae* isolates 1261–1269

METALLINOS, D. L., A. J. OPPENHEIMER, E. M. RINCHIK, L. B. RUSSELL, W. DIETRICH and S. M. TILGHMAN, Fine structure mapping and deletion analysis of the murine *piebald* locus 217–223

MOORE, DANIEL P., WESLEY Y. MIYAZAKI, JOHN E. TOMKIEL and TERRY L. ORR-WEAVER, *Double or nothing*: a Drosophila mutation affecting meiotic chromosome segregation in both females and males 953–964

NAAS, THIERRY, MICHEL BLOT, WALTER M. FITCH and WERNER ARBER, Insertion sequence-related genetic variation in resting *Escherichia coli* K-12 721–730

NACHMEN, MICHAEL W., SARAH N. BOYER, JEREMY B. SEARLE and CHARLES F. AQUADRO, Mitochondrial DNA variation and the evolution of Robertsonian chromosomal races of house mice, *Mus domesticus* 1105–1120

NAGYLAKI, THOMAS, Geographical variation in a quantitative character 361–381

NATSOULIS, GEORGES, FRED WINSTON and JEF D. BOEKE The *SPT10* and *SPT21* genes of *Saccharomyces cerevisiae* 93–105

NAUMOV, GENNADI I., ELENA S. NAUMOVA and CORRINE A. MICHELS, Genetic variation of the repeated *MAL* loci in natural populations of *Saccharomyces cerevisiae* and *Saccharomyces paradoxus* 803–812

ORESNIK, IVAN J., TREVOR C. CHARLES, AND TURLOUGH M. FINAN, Second site mutations specifically suppress the Fix$^-$ phenotype of *Rhizobium meliloti ndvF* mutations on alfalfa: identification of a conditional *ndvF*-dependent mucoid colony phenotype ... 1233–1243

ORR, H. ALLEN, and SARAH P. OTTO, Does diploidy increase the rate of adaptation? ... 1475–1480

PALOPOLI, MICHAEL F., PARUL DOSHI and CHUNG-I WU, Characterization of two *Segregation distorter* revertants: evidence that the tandem duplication is necessary for *Sd* activity in *Drosophila melangaster* 209–215

PELEGRI, FRANCISCO, and RUTH LEHMANN, A role of polycomb group genes in the regulation of gap gene expression in Drosophila 1341–1353

PESOLE, GRAZIANO, ANGELA GERARDI, FERNANDO DI JESO AND CECILIA SACCONE, The peculiar evolution of apolipoprotein(a) in human and rhesus macaque 255–260

PETERSON, NANCY, S., DIRK-HENNER LANKENAU, HERSCHEL K. MITCHELL, PATRICIA YOUNG and VICTOR G. CORCES, *forked* proteins are components of fiber bundles present in developing bristles of *Drosophila melanogaster* 173–182

PIEGORSCH, WALTER W., and A. JOHN BAILER, Statistical approaches for analyzing mutational spectra: some recommendations for categorical data 403–416

PULTZ, MARY ANNE, GOEFFREY S. CARSON and BRUCE S. BAKER, A genetic analysis of *hermaphrodite*, a pleiotropic sex determination gene in *Drosophila melanganster* 195–207

ROBERTSON, DONALD S., PHILIP S. STINARD and MARJORIE P. MAGUIRE, Genetic evidence of *Mutator*-induced deletions in the short arm of chromosome 9 of maize. II. *wd* deletions 1143–1149

ROCKMILL, BETH, and G. SHIRLEEN ROEDER, The yeast *med1* mutant undergoes both metiotic homolog nondisjunction and precocious separation of sister chromatids ... 65–74

ROFF, DEREK A., The evolution of dimorphic traits: predicting the genetic correlation between environments 395–401

ROHRER, GARY A., LEESON J. ALEXANDER, JOHN W. KEELE, TIM P. SMITH and CRAIG W. BEATTIE, A microsatellite linkage map of the porcine genome 231–245

ROUBERTOUX, PIERRE L., MICHÈLE CARLIER, HERVÉ DEGRELLE, MARIE-CLAUDE HAAS-DUPERTUIS, JOHN PHILLIPS AND RENÉ MOUTIER, Co-segregation of intermale aggression with the pseudoautosomal region of the *Y* chromosome in mice 225–230

RUMBALL, W., I. R. FRANKLIN, R. FRANKHAM and B. L. SHELDON, Decline in heterozygosity under full-sib and double first-cousin inbreeding in *Drosophila melanogaster* 1039–1049

SALZ, HELEN K., THOMAS W. FLICKINGER, ELIZABETH MITTENDORF, ALEXANDRA PELLICENA-PALLE, JANE P. PETSCHEK and ELIZABETH BROWN ALBRECHT, The Drosophila maternal effect locus *deadhead* encodes a thioredoxin homolog required for female meiosis and early embryonic development 1075–1086

SCANLON, MICHAEL J., PHILIP S. STINARD, MARTHA G. JAMES, ALAN M. MYERS and DONALD S. ROBERTSON, Genetic analysis of 63 mutations affecting maize kernel development isolated from *Mutator* stocks 281–294

SCHARDL, CHRISTOPHER L., ADRIAN LEUCHTMANN, HUEI-FUNG TSAI, MICHAEL A. COLLETT, DIANNE M. WATT and D. BARRY SCOTT, Origin of a fungal symbiont of perennial ryegrass by interspecific hybridization of a mutualist with the ryegrass choke pathogen, *Epichloë typhina* 1307–1317

SCHNABLE, PATRICK S., and ROGER P. WISE, Recovery of heritable, transposon-induced, mutant alleles of the *rf2* nuclear restorer of T-cytoplasm maize 1171–1185

SEGALL, ANCA M., and JOHN R. ROTH, Approaches to half-tetrad analysis in bacteria: recombination between repeated inverse-order chromosomnal sequences 27–39

SMITH, CYNTHIA, HEIDI GIORDANO and ROBERT DELOTTO, Mutational analysis of the Drosophila *snake* protease: an essential role for domains within the proenzyme polypeptide chain 1355–1365

SMOUSE, PETER E., and THOMAS R. MEAGHER, Genetic analysis of male reproductive contributions in *Chamaelirium luteum* (L.) Gray (Liliaceae) 313–322

SOFER, WILLIAM, and LAURIE TOMPKINS, Drosophila genetics in the classroom 417–422

SOLNIÇA-KRETZEL, LILIANNA, ALEXANDER F. SCHIER and WOLFGANG DRIEVER, Efficient recovery of ENU-induced mutations from the zebrafish germline 1401–1420

STEPHAN, WOLFGANG, and SOOWON CHO, Possible role of natural selection in the formation of tandem-repetitive noncoding DNA 333–341

STILLMAN, DAVID J., SCOTT DORLAND and YAXIN YU, Epistasis analysis of suppressor mutations that allow *HO* expression in the absence of the yeast *SW15* transcriptional activator 781–788

SUBRAMANIAM, VAIDYANATHAN, HOWARD M. BOMZE and A. JAVIER LÓPEZ, Functional differences between ultrabithorax protein isoforms in *Drosophila melanogaster*: evidence from elimination, substitution and ectopic expression of specific isoforms 979–991

TALBERT, PAUL B., COSETTE D. S. LECIEL and STEVEN HENIKOFF, Modification on the Drosophila heterochromatic mutation *brown*^{Dominant} by linkage alterations 559–571

TAYLOR, DOUGLAS R., The genetic basis of sex ratio in *Silene alba* (=*S. latifolia*) 641–651

TESSMAN, IRWIN, and MATTHEW A. KENNEDY, DNA polymerase II of *Escherichia coli* in the bypass of abasic sites *in vivo* 439–448

TING, CHAO-NAN, DAVID KOHRMAN, DANIEL L. BURGESS, ANN BOYLE, RICHARD A. ALSCHULER, G. GHOLIZADEH, LINDA C. SAMUELSON, WONHEE JANG and MIRIAM H. MEISLER, Insertional mutation on mouse chromosome *18* with vestibular and craniofacial abnormalities 247–254

TRAUT, WALTHER, Sex determination in the fly *Megaselia scalaris*, a model system for primary steps of sex chromosome evolution 1097–1104

USHINSKY, SOPHIA C., and TERESA KENG, A novel allele of *HAP1* causes uninducible expression of *HEM13* in *Saccharomyces cerevisiae* 819–831

VALLIER, LAURA G., DAVID COONS, LINDA F. BISSON and MARIAN CARLSON, Altered regulatory responses to glucose are associated with a glucose transport defect in *grr1* mutants of *Saccharomyces cerevisiae* 1279–1285

VANWINKLE-SWIFT, KAREN, ROBERT HOFFMAN, LIANG SHI and STUART PARKER, A suppressor of a mating-type limited zygotic lethal allele also suppresses uniparental chloroplast gene transmission in *Chlamydomonas monoica* 867–877

VILLENEUVE, ANNE M., A *cis*-acting locus that promotes crossing over between *X* chromosomes in *Caenorhabditis elegans* 887–902

WALDMAN, ALAN S., The search for homology does not limit the rate of extrachromosomal homologous recombination in mammalian cells 597–605

WALTHOUR, C. SCOTT, and STEPHEN W. SCHAEFFER, Molecular population genetics of sex determination genes: the *transformer* gene of *Drosophila melanogaster* 1367–1372

WANG, FEI JUN, and LYNN S. RIPLEY, DNA sequence effects on single base deletions arising during DNA polymerization *in vitro* by *Escherichia coli* Klenow fragment polymerase 709–719

WANG, GUO-LIANG, DAVID J. MACKILL, J. MICHAEL BONMAN, SUSAN R. MCCOUCH, MICHAEL C. CHAMPOUX and REBECCA J. NELSON, RFLP mapping of genes conferring complete and partial resistance to blast in a durably resistant rice cultivar 1421–1434

WATT, WARD B., Allozymes in evolutionaly genetics: self-imposed burden or extraordinary tool? 11–16

WEEKS, DANIEL E., JURG OTT and G. MARK LATHROP, Detection of genetic interference: simulation studies and mouse data 1217–1226

WEIR, J. A., Harvard, Agriculture, and the Bussey Institution 1227–1232

YOU, YUN, JILL SCOTT and JAMES FORNEY, The role of macronuclear DNA sequences in the permanent rescue of a non-Mendelian mutation in *Paramecium tetraurelia* 1319–1324

ZENG, ZHAO-BANG, Precision mapping of quantitative trait loci 1457–1468

ZHANG, LI, and LEONARD GUARENTE, Evidence that *TUP1/SSN6* has a positive effect on the activity of the yeast activator HAP1 813–817